

September 24, 2004

Mr. James Scarola, Vice President  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
Post Office Box 165, Mail Code: Zone 1  
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING NRC BULLETIN 2003-01,  
"POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP  
RECIRCULATION AT PRESSURIZED-WATER REACTORS"

Dear Mr. Scarola:

The Nuclear Regulatory Commission (NRC) staff has reviewed and evaluated the information provided in response to NRC Bulletin 2003-01 by the Carolina Power & Light Company for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). We have determined that more information is needed to complete our review. Our Request for Additional Information (RAI) for HNP is enclosed. We request that you to respond to the RAI within 60 days of receipt of this letter to support our closeout goal for this review. If you have any questions, please contact me at 301-415-3025.

Sincerely,

*/RA/*

Chandu P. Patel, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: RAI

cc w/enclosure:  
See next page

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REQUEST FOR ADDITIONAL INFORMATION  
NRC BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON  
EMERGENCY SUMP RECIRCULATION AT PRESSURIZED WATER REACTORS"  
Shearon Harris Nuclear Power Plant, Unit 1  
Carolina Power & Light Company  
Docket No. 50-400

By letter dated August 8, 2003, the Carolina Power & Light Company (the licensee, CP&L) provided the 60-day response to NRC Bulletin 2003-01 for the Shearon Harris Nuclear Power Plant, Unit 1. The Bulletin requested CP&L to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the Bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been implemented or that will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The NRC staff has completed its preliminary review of your response and has determined it needs the following additional information to complete our review:

1. On page A1-7 of Attachment 1 of your Bulletin 2003-01 response, you state that "any generic changes to the WOG ERG guidance will be evaluated as part of an Owners Group program and incorporated into HNP EOPs as appropriate ...." The Westinghouse Owners Group (WOG) has developed operational guidance in response to Bulletin 2003-01 for Westinghouse and CE-type pressurized-water reactors (PWRs). Please provide a discussion of your plans to consider implementing this new WOG guidance. Include a discussion of the WOG-recommended compensatory measures that have been or will be implemented at your plant, and the evaluations or analyses performed to determine which of the WOG-recommended changes are acceptable at your plant. Provide technical justification for those WOG-recommended compensatory measures not being implemented by your plant. Also include a detailed discussion of the procedures being modified, the operator training being implemented, and your schedule for implementing these compensatory measures.
2. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to those compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable. Please discuss any possible unique or plant-specific compensatory measures you considered for implementation at your plant. Include a basis for rejecting any of these additional considered measures.

Enclosure

Mr. James Scarola  
Carolina Power & Light Company

Shearon Harris Nuclear Power Plant  
Unit 1

cc:

Steven R. Carr  
Associate General Counsel - Legal  
Department  
Progress Energy Service Company, LLC  
Post Office Box 1551  
Raleigh, North Carolina 27602-1551

Mr. Robert J. Duncan II  
Director of Site Operations  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
Post Office Box 165, Mail Zone 1  
New Hill, North Carolina 27562-0165

Resident Inspector/ Harris NPS  
c/o U. S. Nuclear Regulatory Commission  
5421 Shearon Harris Road  
New Hill, North Carolina 27562-9998

Mr. Robert P. Gruber  
Executive Director  
Public Staff NCUC  
4326 Mail Service Center  
Raleigh, North Carolina 27699-4326

Ms. Margaret A. Force  
Assistant Attorney General  
State of North Carolina  
Post Office Box 629  
Raleigh, North Carolina 27602

Chairman of the North Carolina  
Utilities Commission  
Post Office Box 29510  
Raleigh, North Carolina 27626-0510

Public Service Commission  
State of South Carolina  
Post Office Drawer 11649  
Columbia, South Carolina 29211

Mr. Herb Council, Chair  
Board of County Commissioners  
of Wake County  
P. O. Box 550  
Raleigh, North Carolina 27602

Ms. Beverly Hall, Section Chief  
Division of Radiation Protection  
N.C. Department of Environment  
and Natural Resources  
3825 Barrett Drive  
Raleigh, North Carolina 27609-7721

Mr. Tommy Emerson, Chair  
Board of County Commissioners  
of Chatham County  
P. O. Box 87  
Pittsboro, North Carolina 27312

Mr. Chris L. Burton  
Manager  
Performance Evaluation and  
Regulatory Affairs PEB 7  
Progress Energy  
Post Office Box 1551  
Raleigh, North Carolina 27602-1551

Mr. Terry C. Morton, Manager  
Support Services  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
P. O. Box 165, Mail Zone 1  
New Hill, North Carolina 27562-0165

Mr. Benjamin C. Waldrep  
Plant General Manager  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
P. O. Box 165, Mail Zone 3  
New Hill, North Carolina 27562-0165

Mr. John R. Caves, Supervisor  
Licensing/Regulatory Programs  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
P. O. Box 165, Mail Zone 1  
New Hill, NC 27562-0165

Mr. John H. O'Neill, Jr.  
Shaw, Pittman, Potts & Trowbridge  
2300 N Street, NW.  
Washington, DC 20037-1128